

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/813,824B  
Source: FW/6  
Date Processed by STIC: 3/24/05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 03/24/2005

PATENT APPLICATION: US/09/813,824B

TIME: 14:48:37

Input Set : A:\seq1st.txt

Output Set: N:\CRF4\03242005\I813824B.raw

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4 <110> APPLICANT: Vogelstein, Bert
5      Kinzler, Kenneth
6      Sherman, Michael
8 <120> TITLE OF INVENTION: SEQUENCE SPECIFIC DNA BINDING BY P53
11 <130> FILE REFERENCE: 01107.00112
13 <140> CURRENT APPLICATION NUMBER: 09/813,824B
14 <141> CURRENT FILING DATE: 2001-03-22
16 <150> PRIOR APPLICATION NUMBER: 07/860,758
17 <151> PRIOR FILING DATE: 1992-03-31
19 <150> PRIOR APPLICATION NUMBER: 07/715,182
20 <151> PRIOR FILING DATE: 1991-06-14
22 <150> PRIOR APPLICATION NUMBER: 08/299,074
23 <151> PRIOR FILING DATE: 1994-09-01
25 <160> NUMBER OF SEQ ID NOS: 41
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 405
31 <212> TYPE: DNA
32 <213> ORGANISM: Homo sapiens
34 <400> SEQUENCE: 1
35 aatacgactc actatagggc gaattgggta cccggccccc cctcgaggtc gacggtatcg      60
36 ataagcttga tattctcccc agatgtagtg aaagcaggta gattgccttg cctggacttg      120
37 cctggccttg ccttttcttt ctttctttct ttctttatta ctttctcttt ttcttcttct      180
38 tcttcttctt cttcttcttc ttcttcttct tcttcttctt cttcttcttc tttttttttt      240
39 gagacagagt ttcaactcttg ttgccaggc tagagggcaa tggcgcgatc tcggctcacc      300
40 gcacctccg cctcccaggt tcaagcgatt gggggatcca ctagttctag agcggccgcc      360
41 accgcggtgg agctccagct tttgttcctt ttagtgaggg ttaat                      405
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 238
45 <212> TYPE: DNA
46 <213> ORGANISM: Homo sapiens
48 <400> SEQUENCE: 2
49 aagcttgata atcatggagg tgagtttttc cagtgcgtgt ctcatgatag tgactaagtc      60
50 tccatgatc tgatggtttt ataaaggcca gtccttctac acatgctctc ttgcttgcta      120
51 ccatgtaaga catgcctgtg ctccctcttt gccttctgcc atgattgtga gacctcccca      180
52 gccatgtgga actgtgagta tcgaattcct gcagcccggtt ggatccacta gttctaga      238
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 10
56 <212> TYPE: DNA
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: consensus
62 <400> SEQUENCE: 3

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```

63 rrrcwwgyyy 10
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 51
67 <212> TYPE: DNA
68 <213> ORGANISM: Homo sapiens
70 <400> SEQUENCE: 4
71 cgacctgtca caccggggcc tgtcacagca tgacctacct gtcacaccgg g 51
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 50
75 <212> TYPE: DNA
76 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 5
79 attttcacca tgcttctgca tgtctaggca agtcaccttc tccactggcc 50
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 51
83 <212> TYPE: DNA
84 <213> ORGANISM: Homo sapiens
86 <400> SEQUENCE: 6
87 ccccatcctc cactgaaaca atgcccagac ttgtctctcc ggccctgaatg a 51
89 <210> SEQ ID NO: 7
90 <211> LENGTH: 46
91 <212> TYPE: DNA
92 <213> ORGANISM: Homo sapiens
94 <400> SEQUENCE: 7
95 tttgtctac catccaggca tgcctttgcc tcaactcgta tttcct 46
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 51
99 <212> TYPE: DNA
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 8
103 tatctgtgca gctgtgggca tgttttaggc aagcttcctg tgctagttcc c 51
105 <210> SEQ ID NO: 9
106 <211> LENGTH: 50
107 <212> TYPE: DNA
108 <213> ORGANISM: Homo sapiens
110 <400> SEQUENCE: 9
111 aactagatcc ttttcagaca tgttataaca agtcagtaca agtttatattt 50
113 <210> SEQ ID NO: 10
114 <211> LENGTH: 39
115 <212> TYPE: DNA
116 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 10
119 gctgggtgcac aagagtgaca tgtccccgacg tgttttgtc 39
121 <210> SEQ ID NO: 11
122 <211> LENGTH: 54
123 <212> TYPE: DNA
124 <213> ORGANISM: Homo sapiens
126 <400> SEQUENCE: 11
127 catcatgccca cctgcaggca tgttctggat gggctgtctt gtgctttgtt gttt 54

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129 <210> SEQ ID NO: 12
130 <211> LENGTH: 62
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 12
135 caaaccaggg tgtcttgact tgcctatcct gggaggttga catgttcctc cccttcccc 60
136 tc 62
138 <210> SEQ ID NO: 13
139 <211> LENGTH: 49
140 <212> TYPE: DNA
141 <213> ORGANISM: Homo sapiens
143 <400> SEQUENCE: 13
144 gccaaacata accaccagct gccaaaggcat gcagtaccac gctcagccc 49
146 <210> SEQ ID NO: 14
147 <211> LENGTH: 49
148 <212> TYPE: DNA
149 <213> ORGANISM: Homo sapiens
151 <400> SEQUENCE: 14
152 ccaacttgtc tattctgtgt tgatggacat gttcccgttt ttggctatt 49
154 <210> SEQ ID NO: 15
155 <211> LENGTH: 51
156 <212> TYPE: DNA
157 <213> ORGANISM: Homo sapiens
159 <400> SEQUENCE: 15
160 gcagtgtggt ggaggaaaca agcccaggat gtgcccaggg caggctggga c 51
162 <210> SEQ ID NO: 16
163 <211> LENGTH: 48
164 <212> TYPE: DNA
165 <213> ORGANISM: Homo sapiens
167 <400> SEQUENCE: 16
168 actgttgatg atgaaagaca agcctagggc aggtcctggg ggggtgggg 48
170 <210> SEQ ID NO: 17
171 <211> LENGTH: 50
172 <212> TYPE: DNA
173 <213> ORGANISM: Homo sapiens
175 <400> SEQUENCE: 17
176 tgttcatacc tgtccacact tgtctatacc tgcctacacc tgtcttgttt 50
178 <210> SEQ ID NO: 18
179 <211> LENGTH: 61
180 <212> TYPE: DNA
181 <213> ORGANISM: Homo sapiens
183 <400> SEQUENCE: 18
184 ctttaattca gttgtaaaca tgacttggtc attatatgac atgttcaatt acaattcgat 60
185 t 61
187 <210> SEQ ID NO: 19
188 <211> LENGTH: 50
189 <212> TYPE: DNA
190 <213> ORGANISM: Homo sapiens
192 <400> SEQUENCE: 19

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193 ctcagttctc agctggggact tgccctggcc agccctgggg tcactgctgc      50
195 <210> SEQ ID NO: 20
196 <211> LENGTH: 50
197 <212> TYPE: DNA
198 <213> ORGANISM: Homo sapiens
200 <400> SEQUENCE: 20
201 tgcctcagca ccttcagggt ctgccgggct tggttcctttc ctttcagcat      50
203 <210> SEQ ID NO: 21
204 <211> LENGTH: 50
205 <212> TYPE: DNA
206 <213> ORGANISM: Homo sapiens
208 <400> SEQUENCE: 21
209 gcctttgttg tgccctgact tgcccagaca tgtttgggaa tgtcttgtgc      50
211 <210> SEQ ID NO: 22
212 <211> LENGTH: 50
213 <212> TYPE: DNA
214 <213> ORGANISM: Homo sapiens
216 <400> SEQUENCE: 22
217 gtattctctt ttcctaagca tgccttgact tggtctttca tctcctctga      50
219 <210> SEQ ID NO: 23
220 <211> LENGTH: 50
221 <212> TYPE: DNA
222 <213> ORGANISM: Homo sapiens
224 <400> SEQUENCE: 23
225 tgaaagcagg tagattgcct tgcttgaggact tgcttgaggct tgccttttct      50
227 <210> SEQ ID NO: 24
228 <211> LENGTH: 10
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: synthetic
235 <400> SEQUENCE: 24
236 aggaattcct      10
238 <210> SEQ ID NO: 25
239 <211> LENGTH: 20
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: synthetic
246 <400> SEQUENCE: 25
247 aggaattcct aggaattcct      20
249 <210> SEQ ID NO: 26
250 <211> LENGTH: 10
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: consensus
257 <400> SEQUENCE: 26
258 aggcattgtct      10

```

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260 <210> SEQ ID NO: 27
261 <211> LENGTH: 20
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: synthetic
268 <400> SEQUENCE: 27
269 aggcattgcct aggcattgcct 20
271 <210> SEQ ID NO: 28
272 <211> LENGTH: 20
273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: synthetic
279 <400> SEQUENCE: 28
280 aggcaaggca aggcaaggca 20
282 <210> SEQ ID NO: 29
283 <211> LENGTH: 49
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: synthetic
290 <400> SEQUENCE: 29
291 tgcaggatt cgataggcat gtctaggcat gtctatcaag cttatcgat 49
293 <210> SEQ ID NO: 30
294 <211> LENGTH: 49
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: synthetic
301 <400> SEQUENCE: 30
302 tgcaggatt cgataggcat gtctagacat gcctatcaag cttatcgat 49
304 <210> SEQ ID NO: 31
305 <211> LENGTH: 49
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: synthetic
312 <400> SEQUENCE: 31
313 tgcaggatt cgatagacat gcctaggcat gtctatcaag cttatcgat 49
315 <210> SEQ ID NO: 32
316 <211> LENGTH: 39
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: synthetic
323 <400> SEQUENCE: 32
324 tgcaggatt cgataggcat gtctatcaag cttatcgat 39
326 <210> SEQ ID NO: 33

```

**VERIFICATION SUMMARY**

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